



## Power cable esiMot XL 1 x 230 V AC

### Standard cable for fixed installation

without ballast: 3 x 1,0 mm<sup>2</sup>, Ø ca. 5,9 mm, ca. 72 kg/km

with ballast: 5 x 1,0 mm<sup>2</sup>, Ø ca. 7,3 mm, ca. 104 kg/km



### Usage:

For flexible use in free movement without tensile stress and without forced movement guidance in dry, damp and wet rooms, but not outdoors, wherever the smallest possible signal cables are required in the outer diameter due to design or construction measures; in machine, tool and plant construction, as well as in electronics.

### Technical data

- according to DIN VDE 0285-525-2-11 / EN 50525-2-11
- Temperature range  
flexible -15°C ... +80°C  
fixed -40°C ... +80°C
- Rated voltage  $U_0/U$  300/500 V
- Test voltage 4000 V
- Breakdown voltage > 8000 V
- Insulation resistance  
>20 MOhm x km
- Minimum bending radius  
flexible 7,5x cable diameter  
fixed 4x cable diameter
- Radiation resistance  
up to 80x106 cJ/kg  
(up to 80 Mrad)

### Structure

- Stranded copper wire bare according to DIN VDE 0295 cl. 5, fine strands, BS 6360 cl. 5 IEC60228 cl. 5
- Core insulation made of special PVC compound Z7225
- Core identification according to JB/OB colour code
- Cores stranded with optimally matched lay lengths
- Outer sheath of special PVC compound type Tm2 according to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1
- Sheath colour grey (RAL7001) with metre marking

### Properties

- Largely oil-resistant, chemical resistance - see table: Technical Information
- The materials used in production are silicone- and cadmium-free and free of paint-wetting impairment substances.

### Tests

- Flame retardant according to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60331-1 (corresponds to DIN VDE 0472 part 804 test type B)



The product conforms to the EC Low Voltage Directive 2006/95/EC.



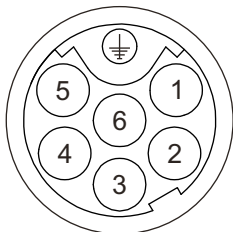
The product is compliant with the EU RoHS Directive 2011/65/EU.

## Connector:



7pin cable socket  
 cable-Ø 6-8 mm  
 max. 1,5 mm<sup>2</sup> (AWG19)  
 Art.-No.: 630.01502-0

Contact arrangement with view to crimp connections of the plug



## Power cable without ballast: 3 x 1,0 mm<sup>2</sup>, Ø ca. 5,9 mm

Wire color	contact	assignment
BN	1	Motor supply L (230 VAC)
BU	2	Motor supply N (230 VAC)
GN/YE	PE	Protective earth

Length	Art.-no.:	Weight
2 m	630.01500-0	0,26 kg
5 m	630.01501-0	0,48 kg
10 m	630.01504-0	0,84 kg
15 m	630.01505-0	1,2 kg
20 m	630.01503-0	1,56 kg
25 m	630.01507-0	1,92 kg
30 m	630.01506-0	2,28 kg
35 m	630.01508-0	2,64 kg

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## Power cable with ballast: 5 x 1,0 mm<sup>2</sup>, Ø ca. 7,3 mm

Wire colour	Contact	Assignment
BN	1	Motor supply L (230 VAC)
BU	2	Motor supply N (230 VAC)
BK	3	Ballast
GY	4	Ballast
GN/YE	PE	Protective earth

Length	Art.-no.:	Weight
2 m	630.01510-0	0,33 kg
5 m	630.01511-0	0,64 kg
10 m	630.01512-0	1,16 kg
15 m	630.01514-0	1,68 kg
20 m	630.01516-0	2,2 kg
25 m	630.01515-0	2,72 kg
30 m	630.01517-0	3,24 kg
35 m	630.01416-5	3,76 kg

Standard cable for fixed installation



### DANGER

The ballast lines are live and must be insulated if no external ballast resistor is used.

All information in this brochure is of an informative nature and does not guarantee any properties. Subject to change without notice.

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